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APPLICATION NO.	F.	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/735,767		12/16/2003	Hideaki Kuwabara	12732-189001	4086		
26171	7590	10/19/2005	EXAMINER				
FISH & RI	CHARDS	SON P.C.	PICARDAT, KEVIN M				
P.O. BOX 1	022						
MINNEAPO	OLIS, MN	55440-1022	ART UNIT	PAPER NUMBER			
				2822			

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applica	tion No.	Applicant(s)				
		10/735	10/735,767		KUWABARA ET AL.			
	Office Action Summary	Examin	er	Art Unit				
		Kevin M	l. Picardat	2822				
Period for	The MAILING DATE of this communica Reply	tion appears on t	he cover sheet wi	th the correspondence	address			
A SHO WHICH - Extensi after SI - If NO p - Failure Any rep	RTENED STATUTORY PERIOD FOR IEVER IS LONGER, FROM THE MAIL ons of time may be available under the provisions of 3 X (6) MONTHS from the mailing date of this communiteriod for reply is specified above, the maximum statute to reply within the set or extended period for reply will ly received by the Office later than three months after patent term adjustment. See 37 CFR 1.704(b).	LING DATE OF a B7 CFR 1.136(a). In no cation. ory period will apply and by statute, cause the a	THIS COMMUNIC event, however, may a r will expire SIX (6) MON pplication to become AB	CATION. eply be timely filed ITHS from the mailing date of the	nis communication.			
Status								
2a)□ T 3)□ S	Responsive to communication(s) filed of this action is <b>FINAL</b> . 2b) Since this application is in condition for losed in accordance with the practice	This action is	pt for formal matt	•	the merits is			
Dispositio	n of Claims							
5)□ C 6)⊠ C 7)□ C 8)□ C		1 28 is/are withdra	awn from conside	eration.				
10)⊠ TI A F	ne specification is objected to by the Ene drawing(s) filed on 16 December 20 pplicant may not request that any objection teplacement drawing sheet(s) including the ene oath or declaration is objected to be	003 is/are: a)⊠ on to the drawing(s e correction is requ	) be held in abeyan uired if the drawing	ice. See 37 CFR 1.85(a (s) is objected to. See 37	). 7 CFR 1.121(d).			
Priority un	der 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.								
Attachment(s	` .)							
1) Notice ( 2) Notice ( 3) Notice (	of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO tion Disclosure Statement(s) (PTO-1449 or PTO- Io(s)/Mail Date 12-16-03, 4-11-05.		Paper No(s	iummary (PTO-413) s)/Mail Date nformal Patent Application (i 	PTO-152)			

## **DETAILED ACTION**

## Election/Restrictions

Applicant's election without traverse of Species I, claims 11, 12, 14-22, 24 and 26, in the reply filed on 27 July 2005 is acknowledged.

## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 11, 12, 14-22, 24 and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sayyah US 6,589,811, in view of Ding et al. US 6,737,300.

Sayyah discloses a method of forming a semiconductor device including forming an element (1) in a film (2) on a first substrate (5), transferring the element layer to a second substrate (20), and transferring the element layer to a sheet (12) (see figs. 3a-f and related text).

Sayyah does not disclose dicing the elements from the substrate or using a conductive adhesive to mount the elements.

Ding et al. teaches that protrusions can be formed on an element and that the element can be diced from a substrate and that the protrusions can be used with a conductive adhesive to electrically bond the elements to a structure (see figs. 13 and 14 and related text).

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Therefore it would have been obvious to one of ordinary skill in the art to use the method of Ding et al. to form protrusions on the elements and use a conductive adhesive to bond the elements and also, to dice the elements, because it allows for a more reliable electrical connection between structures.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin M. Picardat whose telephone number is 571-272-1841. The examiner can normally be reached on Monday-Thursday 7:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amir Zarabian can be reached on 571-272-1852. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kevin M. Picardat Primary Examiner

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